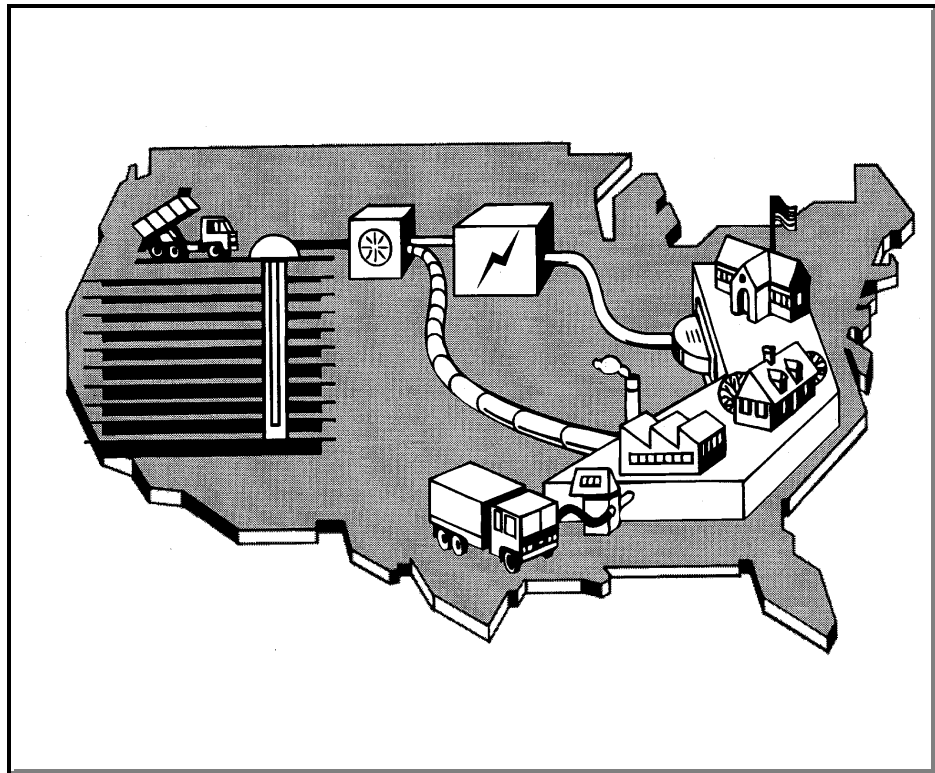




Landfill Gas-to-Energy Project Opportunities

Landfill Profiles for the State of Pennsylvania



EPA Landfill Methane Outreach Program



The EPA Landfill Methane Outreach Program, a key component of the United State's *Climate Change Action Plan*, encourages the use of landfill gas (LFG) as an energy resource. EPA assists utilities, municipal and private landfill owners and operators, tribes, and state agencies in reducing methane emissions from landfills through the development of profitable landfill energy recovery projects. Methane captured from landfills can be transformed into a cost-effective fuel source for electricity, heat, boiler and vehicular fuel, or sale to a pipeline. EPA estimates there are approximately 200 landfill methane recovery projects in the U.S. and that up to 750 landfills could install economically viable landfill energy projects.

The Landfill Methane Outreach Program includes five important components: the State Ally, Energy Ally, Industry Ally, Community Partner, and Endorser programs. EPA establishes separate alliances with state agencies, energy providers (including investor-owned, municipal and other public power utilities and cooperatives), key trade and public sector associations, members of the landfill gas development industry (including developers, engineers, equipment vendors, and others) and local communities, municipalities and landfill owner/operators through a Memorandum of Understanding (MOU). By signing the MOU, each Ally/Partner acknowledges a shared commitment to the promotion of landfill gas-to-energy recovery at solid waste landfills, recognizes that the widespread use of landfill gas will reduce emissions of methane and other gases, and commits to undertake activities to enhance development of this resource. In return, EPA agrees to provide landfill gas-to-energy project assistance and public recognition of the Allies' and Partners' participation in the program.

Introduction

Since 1994 the U.S. EPA's Landfill Methane Outreach Program (LMOP) has participated in an ongoing effort to gather information on Municipal Solid Waste landfills (MSW). A key component of the LMOP is to provide MSW landfill owners and operators, project developers, utilities, and other potential project participants with information on MSW landfills that may offer attractive energy development opportunities. This document presents state specific landfill information, hereinafter referred to as the landfill profiles. These profiles are useful to evaluate the potential for developing landfill gas-to-energy projects (LFGTE). EPA assembled this information from state and local sources as well as various national solid waste publications, landfill owners and operators, and project developers.

The EPA has prepared a separate document to describe the methodology used to develop the state-specific landfill profiles and estimate the benefits of using LFGTE as an energy source. The document, *Landfill Gas-to-Energy Project Opportunities, Background Information on Landfill Profiles*, contains background information on gas collection and use, describes the data fields according to the five sections listed on the landfill profiles, and where applicable, illustrates calculations and default values used to derive estimates. EPA strongly recommends that users read the document prior to using the landfill profiles. Users can obtain the document by calling the LMOP hotline at 1-888-STAR-YES.

Data Sources

- EPA-ORD Landfill Gas Utilization-Survey (Thorneloe, 1997)
- Directory and Atlas of Solid Waste Disposal Facilities (SWA, 1994)
- Implementation Guide for Landfill Gas Recovery Projects in the Northeast (SCS, 1994)
- Landfill Gas-to-Energy 1994-1995 Activity Report (SWT, 1994)
- Methane Recovery from Landfill Yearbook (GAA, 1994)
- Project developers, landfill owners, and operators
- State and local records
- Survey of Landfill Gas Generation Potential (EPRI, 1992)
- U.S. Landfill Directory (SWANA, 1992)

Landfill Classification

To facilitate the use of available landfill information, EPA has categorized the landfills into five categories: Current Project,¹ Candidate Project, Shutdown, Other, and Unknown waste-in-place (WIP). These categories are based on the status of the landfill's LFGTE project(s) and WIP. The generation of methane is a function of many factors, the most critical being the amount of waste-in-place and the number of years the waste has been in the landfill. Peak methane generation occurs soon after closure; therefore, the longer the landfill has been closed, the less attractive it becomes for methane recovery. Based on the general timing of peak methane generation, EPA assumes that landfills that ceased accepting waste prior to 1993 have a low probability of generating enough methane to make a gas recovery project economical. Consequently, landfills need to be operating in 1993 to be considered as having a Candidate Project.

Landfill Categorizes

Current Project:

- Landfill with operational LFGTE project or landfill with LFGTE project under construction.

Candidate Project:

- Landfill with a potential or planned LFGTE utilization project; or
- Landfill is currently operating or closed after 1993; and has more than 1,000,000 tons of municipal solid waste-in-place.²

Shutdown:

- Landfill with shutdown LFGTE project.

Other:

- Landfill has less than 1,000,000 tons of municipal solid waste-in-place with no current or planned LFGTE project.

Unknown WIP:

- Landfill with insufficient data to determine the waste-in-place.

State Summary

State-specific landfill profile information is summarized in three exhibits. Exhibit 1 presents a summary of the state-specific potential for LFG utilization energy by landfill category. Exhibit 2 summarizes the emissions avoided by fossil fuel displacement for electricity generation and direct use projects. Exhibit 3 presents an index of the state-specific MSW landfills, referenced by category, landfill name and general characteristics.

¹ Current projects illustrate the wide range of successful project development options.

² By modeling the relationship between WIP and methane generation, a cut-off of 1,000,000 tons of WIP was established; landfills having at least 1,000,000 tons of WIP are considered candidate landfills.



Exhibit 1: Pennsylvania MSW Landfill Summary

Category	No. of Landfills	Est. Capacity Potential		Est. CH4 Generation (mmscf/d)	Methane Reduction (tons/yr)		CO2 Equivalent of CH4 Reduction (tons/yr)	
		Electricity (MW)	Gas Capacity (mmBtu/hr)		Potential	Current	Potential	Current
Current	20	95	947	30	175,162	83,641	3,678,404	1,756,453
Candidate	18	45	448	14	82,881	0	1,740,503	0
Other	18	25	253	8	46,783	0	982,441	0
Unknown WIP	25							
Total	81	165	1,647	53	304,826	83,641	6,401,348	1,756,453

Exhibit 2: Potential Pennsylvania Emissions Avoided by Fossil Fuel Displacement

Category	Electricity Generation Project						Direct Use Project					
	CO2 (tons/yr)			SO2 (tons/yr)			CO2 (tons/yr)			SO2 (tons/yr)		
	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas
Current	747,444	613,469	412,505	4,724	3,949	0	527,477	432,929	291,107	4,800	2,523	2
Candidate	354,385	290,863	195,580	2,240	1,872	0	249,585	204,848	137,743	2,271	1,194	1
Other	200,476	164,542	110,641	1,267	1,059	0	140,881	115,629	77,750	1,282	674	1
Unknown WIP												
Total	1,302,306	1,068,874	718,726	8,232	6,880	0	917,943	753,406	506,600	8,352	4,391	4

Exhibit 3: Index of Landfills in Pennsylvania

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Current	Amity LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Colebrookdale LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Conshocken LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	East Pennsboro LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Empire SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Greater Lebanon Refuse Authority LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	GROWS LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Keystone SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Lake View LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Lancaster LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Lycoming County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Mazzaro LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Modern LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Monroeville LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Pioneer Crossing LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Pottstown LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	South Park Landfill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Tullytown LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Valley LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Westmoreland County Landfill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Candidate	Arden Landfill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Bradford County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	CBF, Incorporated LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Chrin Brothers LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Frey Farm LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Grand Central SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Greentree LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Imperial LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Mountain View Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Northwest SLF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Pine Grove LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	RCC LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Rosencrantz LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Southern Alleghenies LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Western Berks Refuse Authority LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Y&S SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	York County SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Adams Sanitation Company, Inc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Exhibit 3: Index of Landfills in Pennsylvania

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Other	Arden LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Bedford Fulton Huntingdon Solid Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Bethlehem City LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Christman LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Cumberland County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Dauphin Meadows LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Drumore Township SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Fred D. Thebes LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	J.J. Brunner LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Laurel Highlands LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	McKean County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Mifflin County Solid Waste Authority LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Pellegrene LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	R&A Bender, Incorporated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Sanitary LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Secra LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Wayne Township LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Center Township LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	CES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Conestoga LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Creswell LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Ford City LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Guilford Township LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Kelly Run SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Kennedy LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Keystone Sanitation Company, Incorpo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Kittanning Borough SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Lasky LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Lewiston LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Loyalhanna LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	M.C. Arnoni LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Marilungo Disposal Service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	MAWC SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Mon Valley SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Morris Township LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Mostoller LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Richard's LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Seneca	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Tioga County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Exhibit 3: Index of Landfills in Pennsylvania

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Unknown WIP	Vogel Disposal Service Incorporated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Wach's LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Wade LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Amity LF		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Taylor Energy Partners	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	Taylor	Design Capacity (tons):	
City:	Taylor	Acres Currently Landfilled (acres):	97
County:	Lackawanna	Average Depth (feet):	27
State:	PA	1994 Waste-in-Place (tons):	3,000,000
Year Open:	1973	1998 Waste-in-Place (tons):	3,000,000
Year Closed:	1990		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.19		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	0.7		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1988		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	PennsylvaniaPower and Light		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		37
Current Capacity:	2.0		15
Planned Capacity:			
Utilities in County: Blakely Borough Mun Light Plant; Claverack Rural Elec Coop Inc; Duquesne Light Company; Olyph			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	6,853		2,698
CO2 Equivalent of CH4 Reduction (tons/yr):	143,913		56,660
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	29,203	185	20,637 188
Fuel Oil:	23,969	154	16,938 99
Natural Gas:	16,117	0	11,389 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:			
Fax Number:			

* *Italicized indicates values estimated by EPA.*



A. GENERAL LANDFILL INFORMATION

Landfill Owner:	USA Waste	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Washington	Acres Currently Landfilled (acres):	
County:		Average Depth (feet):	
State:	PA	1998 Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:			

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):

LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG: No

C. LANDFILL GAS UTILIZATION

Current Utilization:

Utilization System Status: Planned

Utilization System Type: Direct Thermal

Utilization System Start Year: 1997

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:

Current Capacity:

Planned Capacity:

Utilities in County:

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>	<i>Current</i>
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

E. CONTACT INFORMATION

Landfill Owner	Landfill Operator
Contact Name:	
Mailing Address:	
Phone Number:	412-222-3272
Fax Number:	

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: PA

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Bradford County LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Northern Tier SW Authority	Annual Acceptance Rate (tons):	84,586	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:		Design Capacity (tons):	1,443,225	
City:	Burlington	Acres Currently Landfilled (acres):	64	
County:	Bradford	Average Depth (feet):		
State:	PA	1993 Waste-in-Place (tons):	1,197,066	
Year Open:	1983	1998 Waste-in-Place (tons):	1,619,996	
Year Closed:	2000			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		0.83		
LFG Collection System Status:		Operational		
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:		Potential		
Utilization System Type:		Unknown		
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	3		26	
Current Capacity:				
Planned Capacity:				
Utilities in County: Claverack Rural Elec Coop Inc; Pennsylvania Electric Company; Sullivan County R E C Inc; Tri-Cou				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,812		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	101,058		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	20,521	130	14,492	132
Fuel Oil:	16,843	108	11,894	69
Natural Gas:	11,325	0	7,998	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:		David T. Terrill, Executive Director		
Mailing Address:				
Phone Number:		717-297-4177		
Fax Number:				

* *Italicized indicates values estimated by EPA.*



CBF, Incorporated LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	CBF, Incorporated LF	Annual Acceptance Rate (tons):	70,000
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1995
Alternative Landfill Name:	J&J LF	Design Capacity (tons):	2,020,000
City:	McClellantown	Acres Currently Landfilled (acres):	46
County:	Fayette	Average Depth (feet):	
State:	PA	1995 Waste-in-Place (tons):	570,000
Year Open:	1985	1998 Waste-in-Place (tons):	780,000
Year Closed:	2003		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.28	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	1		9
Current Capacity:			
Planned Capacity:			
Utilities in County: Duquesne Light Company; Hatfield Municipal Elec Plant; PECO Energy Company; Pennsylvania Pow			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	1,594		0
CO2 Equivalent of CH4 Reduction (tons/yr):	33,468		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	7,104	45	4,799 44
Fuel Oil:	5,830	38	3,939 23
Natural Gas:	3,920	0	2,649 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Charles Santangelo	Charles Santangelo	
Mailing Address:	Road #1 P.O. Box 266	Road #1 P.O. Box 266	
Phone Number:	412-437-7336	412-437-7336	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Chrin Brothers, Inc.	Annual Acceptance Rate (tons):	156,500
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	2,747,867
City:	Easton	Acres Currently Landfilled (acres):	108
County:	Northampton	Average Depth (feet):	
State:	PA	1998 Waste-in-Place (tons):	3,217,771
Year Open:	1961	1998 Waste-in-Place (tons):	3,217,771
Year Closed:	2010		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	1.09
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:		
Utilization System Status:	Unknown	
Utilization System Type:	Unknown	
Utilization System Start Year:		
Electric Utility Provider(s):		
Natural Gas Provider(s):		
Energy Purchaser(s):		
Capacity:	Electricity Generation Project (MW)	OR Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	3	
Current Capacity:		
Planned Capacity:		

Utilities in County: Metropolitan Edison Company; Middletown Municipal Elec Dept; PECO Energy Company; Pennsylv

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	Current
Methane Reduction (tons/yr):	6,275	0
CO2 Equivalent of CH4 Reduction (tons/yr):	131,771	0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	26,835 170	18,896 172
Fuel Oil:	22,025 142	15,509 90
Natural Gas:	14,810 0	10,428 0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Gregory Chrin	Gregory Chrin, General Partner
Mailing Address:	635 Industrial Drive	635 Industrial Dr.
Phone Number:	610/258-8737	610-258-8737
Fax Number:		610/258-4884

* *Italicized indicates values estimated by EPA.*

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Colebrookdale LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	300,678
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	4,715,000
City:	Media	Acres Currently Landfilled (acres):	60
County:	Berks	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	2,437,623
Year Open:		1998 Waste-in-Place (tons):	3,640,335
Year Closed:	1997		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	0.70		
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		22
Current Capacity:			
Planned Capacity:			
Utilities in County:	Kutztown Muni Lt & Power; Metropolitan Edison Company; Pennsylvania Electric Company; Pennsy		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,026		0
CO2 Equivalent of CH4 Reduction (tons/yr):	84,548		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	17,364	110	12,124 110
Fuel Oil:	14,252	92	9,951 58
Natural Gas:	9,583	0	6,691 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Joseph Sebzda		
Mailing Address:	2nd and Orange Streets	Rose Tree Park - The Hunt Club 1521 North Providence Road	
Phone Number:	610-367-2373.	610-367-2373	
Fax Number:			

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Conshocken LF		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	U.S. Gypsum/Montgomery County	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	Montgomery County LF	Design Capacity (tons):	
City:	Swedeland	Acres Currently Landfilled (acres):	25
County:	Montgomery	Average Depth (feet):	
State:	PA	1994 Waste-in-Place (tons):	3,600,000
Year Open:	1981	1998 Waste-in-Place (tons):	3,600,000
Year Closed:	1985		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.34		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	0.9		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1986		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Smith Kline Beecham Research Center		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		42
Current Capacity:	2.0		19
Planned Capacity:			
Utilities in County:	Duquesne Light Company; Lansdale Electric Dept; PECO Energy Company; Pennsylvania Power & L		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	7,740		3,469
CO2 Equivalent of CH4 Reduction (tons/yr):	162,546		72,849
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i> <i>SO2 (tons/yr)</i>
Coal:	33,150	210	23,309 212
Fuel Oil:	27,208	175	19,131 112
Natural Gas:	18,295	0	12,864 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:			
Fax Number:			

* *Italicized indicates values estimated by EPA.*



County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	American Disposal	Annual Acceptance Rate (tons):	176,524
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	County Environmental Incorporated	Design Capacity (tons):	1,814,667
City:	Clarion	Acres Currently Landfilled (acres):	20
County:	Clarion	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	929,812
Year Open:	1990	1998 Waste-in-Place (tons):	1,812,432
Year Closed:	2000		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.88	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Penn Electric		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		28
Current Capacity:			
Planned Capacity:			
Utilities in County: Central Electric Coop Inc; Pennsylvania Electric Company; UGI Corporation; United Electric Coop In			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,097		0
CO2 Equivalent of CH4 Reduction (tons/yr):	107,033		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	22,100	140	15,349 140
Fuel Oil:	18,139	117	12,597 73
Natural Gas:	12,197	0	8,471 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Ronald Nielson, President		
Mailing Address:	P.O. Box 353		
Phone Number:		814-844-8220	
Fax Number:			

East Pennsboro LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	East Pennsboro Township	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	East Pennsboro	Acres Currently Landfilled (acres):	20
County:	Cumberland	Average Depth (feet):	100
State:	PA	1994 Waste-in-Place (tons):	400,000
Year Open:	1958	1998 Waste-in-Place (tons):	400,000
Year Closed:	1979		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	0.07		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	0.1		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1985		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pennsylvania Power & Light Co		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	0		2
Current Capacity:	0.1		2
Planned Capacity:			
Utilities in County:	Adams Electric Cooperative Inc; Metropolitan Edison Company; Pennsylvania Electric Company; Pen		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	428		385
CO2 Equivalent of CH4 Reduction (tons/yr):	8,990		8,093
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	1,579	10	1,289 12
Fuel Oil:	1,296	8	1,058 6
Natural Gas:	871	0	712 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:			412-834-6500
Fax Number:			

Empire SLF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Empire	Annual Acceptance Rate (tons):	1,035,533
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	16,348,200
City:	Scranton	Acres Currently Landfilled (acres):	513
County:	Lackawanna	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	8,917,557
Year Open:		1998 Waste-in-Place (tons):	14,095,222
Year Closed:	2004		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.52		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	8.2		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	High Btu		
Utilization System Start Year:	1998		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	5		48
Current Capacity:			171
Planned Capacity:			
Utilities in County:	Blakely Borough Mun Light Plant; Claverack Rural Elec Coop Inc; Duquesne Light Company; Olyph		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	8,797		31,606
CO2 Equivalent of CH4 Reduction (tons/yr):	184,745		663,728
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	37,885	240	26,492 241
Fuel Oil:	31,095	200	21,744 127
Natural Gas:	20,908	0	14,621 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:		Renato P. Mariani, President	
Mailing Address:			
Phone Number:		717-562-1600	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Frey Farm LF		Landfill Category: Candidate
A. GENERAL LANDFILL INFORMATION		
Landfill Owner:	Lancaster County Solid Waste Management	Annual Acceptance Rate (tons): 212,933
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported: 1998
Alternative Landfill Name:	Lancaster CountyLF	Design Capacity (tons):
City:	Conestoga	Acres Currently Landfilled (acres): 96
County:	Lancaster	Average Depth (feet):
State:	PA	1998 Waste-in-Place (tons): 1,516,997
Year Open:	1989	1998 Waste-in-Place (tons): 1,516,997
Year Closed:	2016	
B. LANDFILL GAS COLLECTION		
Estimated Methane Generation (mmscf/d):		0.81
LFG Collection System Status:		
Current LFG Collected (mmscf/d):		
Collection and Treatment System Required Under NSPS/EG:		Yes
C. LANDFILL GAS UTILIZATION		
Current Utilization:		
Utilization System Status:	Unknown	
Utilization System Type:	Unknown	
Utilization System Start Year:		
Electric Utility Provider(s):		
Natural Gas Provider(s):		
Energy Purchaser(s):		
Capacity:	Electricity Generation Project (MW)	OR Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3	25
Current Capacity:		
Planned Capacity:		
Utilities in County: Duquesne Light Company; Ephrata Borough Electric Dept; Metropolitan Edison Company; PECO En		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION		
	<i>Potential</i>	<i>Current</i>
Methane Reduction (tons/yr):	4,660	0
CO2 Equivalent of CH4 Reduction (tons/yr):	97,860	0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	19,732 125	14,033 128
Fuel Oil:	16,195 104	11,518 67
Natural Gas:	10,890 0	7,745 0
E. CONTACT INFORMATION		
Landfill Owner		Landfill Operator
Contact Name:	Jim Warner	Brooks K. Norris, Technical Services Manager
Mailing Address:	1299 Harrisburg Pike P.O. Box 4425	1299 Harrisburg Pike P.O. Box 4425
Phone Number:	717-397-9968	717-397-9968
Fax Number:		

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GROWS LF		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	1,388,552
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Pennsbury Power Production Plant	Design Capacity (tons):	14,156,738
City:	Morristown	Acres Currently Landfilled (acres):	443
County:	Bucks	Average Depth (feet):	80
State:	PA	1993 Waste-in-Place (tons):	9,903,443
Year Open:	1970	1998 Waste-in-Place (tons):	16,846,203
Year Closed:	2000		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	4.73		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	4.0		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Gas Turbine		
Utilization System Start Year:	1987		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	PECO Energy Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	15		148
Current Capacity:	6.6		83
Planned Capacity:			
Utilities in County:	PECO Energy Company; Pennsylvania Power & Light Co; Perkasie Borough Electric; Philadelphia E		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	27,329		15,418
CO2 Equivalent of CH4 Reduction (tons/yr):	573,903		323,770
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	116,813	738	82,297 749
Fuel Oil:	95,875	617	67,545 394
Natural Gas:	64,468	0	45,418 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:	215-736-9400	215-736-9400	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Grand Central SLF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	USA Waste Services	Annual Acceptance Rate (tons):	452,892	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:		Design Capacity (tons):	8,132,898	
City:	Pen Argyl	Acres Currently Landfilled (acres):	20	
County:	Northampton	Average Depth (feet):		
State:	PA	1993 Waste-in-Place (tons):	2,265,669	
Year Open:	1955	1998 Waste-in-Place (tons):	4,530,129	
Year Closed:	2004			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		1.23		
LFG Collection System Status:		Operational		
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:		Unknown		
Utilization System Type:		Unknown		
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	4		38	
Current Capacity:				
Planned Capacity:				
Utilities in County:		Metropolitan Edison Company; Middletown Municipal Elec Dept; PECO Energy Company; Pennsylv		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	7,090		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	148,898		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	29,993	190	21,352	194
Fuel Oil:	24,617	159	17,525	102
Natural Gas:	16,553	0	11,784	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Nolan Perin	Charles Nowak		
Mailing Address:	1963 Pen Argyl Road	1963 Pen Argyl Road		
Phone Number:		800-621-2100		
Fax Number:				

* *Italicized indicates values estimated by EPA.*



Greater Lebanon Refuse Authority LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	73,907
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	466,004
City:	Lebanon	Acres Currently Landfilled (acres):	70.25
County:	Lebanon	Average Depth (feet):	75
State:	PA	1993 Waste-in-Place (tons):	396,925
Year Open:	1983	1998 Waste-in-Place (tons):	544,693
Year Closed:	1995		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	0.19		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	2.2		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1986		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Metropolitan Edison Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	1		6
Current Capacity:	1.0		46
Planned Capacity:			
Utilities in County:	Metropolitan Edison Company; Pennsylvania Power & Light Co		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	1,113		8,480
CO2 Equivalent of CH4 Reduction (tons/yr):	23,371		178,074
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	4,736	30	3,352 31
Fuel Oil:	3,887	25	2,751 16
Natural Gas:	2,614	0	1,850 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:		Michael D. Pavelek II, Executive Director	
Mailing Address:			
Phone Number:		717-867-5790	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Greentree LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Superior Waste Services	Annual Acceptance Rate (tons):	335,234
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	4,906,667
City:	Brockway	Acres Currently Landfilled (acres):	114
County:	Elk	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	3,878,021
Year Open:		1998 Waste-in-Place (tons):	5,554,191
Year Closed:	1999		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.85	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		27
Current Capacity:			
Planned Capacity:			
Utilities in County: United Electric Coop Inc; West Penn Power Company			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,931		0
CO2 Equivalent of CH4 Reduction (tons/yr):	103,551		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	21,311	135	14,849 135
Fuel Oil:	17,491	113	12,187 71
Natural Gas:	11,761	0	8,195 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Jerry Ross	Thomas E. Latimer, Vice President	
Mailing Address:	P.O. Box O		
Phone Number:	814-265-1744	814-265-1744	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Imperial LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	443,215
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	BFI Number 1 LF	Design Capacity (tons):	14,794,853
City:	Imperial	Acres Currently Landfilled (acres):	304
County:	Allegheny	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	3,968,151
Year Open:		1998 Waste-in-Place (tons):	6,184,226
Year Closed:	2013		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	0.90		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pittsburgh Airport		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		28
Current Capacity:			
Planned Capacity:			
Utilities in County:	Central Electric Coop Inc; Duquesne Light Company; Metropolitan Edison Company; PECO Energy C		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,216		0
CO2 Equivalent of CH4 Reduction (tons/yr):	109,540		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	22,100	140	15,708 143
Fuel Oil:	18,139	117	12,892 75
Natural Gas:	12,197	0	8,669 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:		Michael T. Heher, Vice President	
Mailing Address:	Route 980 & Boggs Road		
Phone Number:	412-695-0900	412-695-0900	
Fax Number:			

Keystone SLF		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Keystone	Annual Acceptance Rate (tons):	893,454
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	14,202,725
City:	Scranton	Acres Currently Landfilled (acres):	145
County:	Lackawanna	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	5,243,875
Year Open:		1998 Waste-in-Place (tons):	9,711,145
Year Closed:	2004		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.18	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1994		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pennsylvania Power and Light		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		37
Current Capacity:	5.6		
Planned Capacity:			
Utilities in County: Blakely Borough Mun Light Plant; Claverack Rural Elec Coop Inc; Duquesne Light Company; Olyph			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	6,813		0
CO2 Equivalent of CH4 Reduction (tons/yr):	143,069		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	29,203	185	20,516 187
Fuel Oil:	23,969	154	16,838 98
Natural Gas:	16,117	0	11,322 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:		P.O. Box 249	
Phone Number:		717-343-5782	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Lake View LF		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	WMI	Annual Acceptance Rate (tons):	688,327
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	5,811,441
City:	Erie	Acres Currently Landfilled (acres):	20
County:	Erie	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	4,585,516
Year Open:	1971	1998 Waste-in-Place (tons):	8,027,151
Year Closed:	1998		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		2.47	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1997		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	8		77
Current Capacity:	3.3		
Planned Capacity:			
Utilities in County: Girard Borough Electric; Northwestern REC Assn Inc; Pennsylvania Electric Company; Warren Elect			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	14,287		0
CO2 Equivalent of CH4 Reduction (tons/yr):	300,029		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	60,774	384	43,024 392
Fuel Oil:	49,881	321	35,312 206
Natural Gas:	33,541	0	23,744 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Mark Messex, General Manager		
Mailing Address:	1154 West 16th Street		
Phone Number:	610-327-2703	814-825-8588	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Lanchester LF		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Chester County Solid Waste Authority	Annual Acceptance Rate (tons):	198,546
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	1,388,889
City:	Honey Brook	Acres Currently Landfilled (acres):	154
County:	Lancaster	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	1,126,425
Year Open:	1984	1998 Waste-in-Place (tons):	2,129,510
Year Closed:	1998		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.96	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	High Btu		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Columbia Gas		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		30
Current Capacity:			
Planned Capacity:			
Utilities in County: Duquesne Light Company; Ephrata Borough Electric Dept; Metropolitan Edison Company; PECO En			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,566		0
CO2 Equivalent of CH4 Reduction (tons/yr):	116,880		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	23,678	150	16,761 153
Fuel Oil:	19,434	125	13,756 80
Natural Gas:	13,068	0	9,250 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:		Theodore F. O'Neill, Executive Director	
Mailing Address:			
Phone Number:		610-273-3771	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Lycoming County LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Lycoming County Solid Waste Authority	Annual Acceptance Rate (tons):	260,225
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	7,126,000
City:	Montgomery	Acres Currently Landfilled (acres):	85
County:	Lycoming	Average Depth (feet):	175
State:	PA	1993 Waste-in-Place (tons):	3,975,972
Year Open:	1978	1998 Waste-in-Place (tons):	5,277,097
Year Closed:	2009		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.77		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	2.2		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1993		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Lycoming County Electricity Generating Stat		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	6		55
Current Capacity:	1.3		46
Planned Capacity:			
Utilities in County:	Claverack Rural Elec Coop Inc; PECO Energy Company; Pennsylvania Electric Company; Pennsylvan		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	10,220		8,480
CO2 Equivalent of CH4 Reduction (tons/yr):	214,628		178,074
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	43,410	274	30,777 280
Fuel Oil:	35,629	229	25,261 147
Natural Gas:	23,958	0	16,986 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:		Wayne J. Alexander, General Manager	
Mailing Address:			
Phone Number:		717-547-1870	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Mazzaro LF		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Mazzaro Coal Company	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Imperial	Acres Currently Landfilled (acres):	90
County:	Allegheny	Average Depth (feet):	
State:	PA	1994 Waste-in-Place (tons):	3,000,000
Year Open:	1945	1998 Waste-in-Place (tons):	3,000,000
Year Closed:			
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	0.85		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	1.0		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1989		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Duquesne Light Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		27
Current Capacity:	1.2		21
Planned Capacity:			
Utilities in County:	Central Electric Coop Inc; Duquesne Light Company; Metropolitan Edison Company; PECO Energy C		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,928		3,854
CO2 Equivalent of CH4 Reduction (tons/yr):	103,484		80,942
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	21,311	135	14,839 135
Fuel Oil:	17,491	113	12,180 71
Natural Gas:	11,761	0	8,190 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:			
Fax Number:			

* *Italicized indicates values estimated by EPA.*

Modern LF		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	WMI	Annual Acceptance Rate (tons):	666,611
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Modern Trash Removal LF	Design Capacity (tons):	8,414,376
City:	York	Acres Currently Landfilled (acres):	120
County:	York	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	5,561,363
Year Open:	1978	1998 Waste-in-Place (tons):	8,894,418
Year Closed:	2001		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		2.69	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1998		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	8		84
Current Capacity:			
Planned Capacity:			
Utilities in County: Adams Electric Cooperative Inc; Duquesne Light Company; Goldsboro Borough Utility Dept; Lewisb			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	15,570		0
CO2 Equivalent of CH4 Reduction (tons/yr):	326,962		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	66,299	419	46,886 427
Fuel Oil:	54,415	350	38,482 224
Natural Gas:	36,590	0	25,876 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:		610-327-2703	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Monroeville LF		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	USA Waste	Annual Acceptance Rate (tons):	344,615
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Chambers LF	Design Capacity (tons):	2,314,500
City:	Monroeville	Acres Currently Landfilled (acres):	44
County:	Allegheny	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	1,819,436
Year Open:	1971	1998 Waste-in-Place (tons):	3,542,511
Year Closed:	1998		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.32	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	High Btu		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Monroeville Mall		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		41
Current Capacity:			
Planned Capacity:			
Utilities in County: Central Electric Coop Inc; Duquesne Light Company; Metropolitan Edison Company; PECO Energy C			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	7,655		0
CO2 Equivalent of CH4 Reduction (tons/yr):	160,761		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	32,360	205	23,053 210
Fuel Oil:	26,560	171	18,921 110
Natural Gas:	17,859	0	12,723 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:		412-244-6091	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Mountain View Reclamation			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:		Annual Acceptance Rate (tons):	269,531	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:	Community Refuse Limited LF	Design Capacity (tons):	3,488,289	
City:	Greencastle	Acres Currently Landfilled (acres):	56	
County:	Franklin	Average Depth (feet):		
State:	PA	1993 Waste-in-Place (tons):	3,089,277	
Year Open:	1977	1998 Waste-in-Place (tons):	4,233,272	
Year Closed:	1998			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):	1.50			
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:	No			
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Potential			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	5		47	
Current Capacity:				
Planned Capacity:				
Utilities in County:	Adams Electric Cooperative Inc; Chambersburg Muni Elec Dept; Mont Alto Lighting System; PECO			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	8,677		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	182,213		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
Coal:	37,096	235	26,129	238
Fuel Oil:	30,447	196	21,445	125
Natural Gas:	20,473	0	14,420	0
E. CONTACT INFORMATION				
	Landfill Owner		Landfill Operator	
Contact Name:				
Mailing Address:				
Phone Number:			717-597-5666	
Fax Number:				

* *Italicized indicates values estimated by EPA.*



Northwest SLF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	WMI	Annual Acceptance Rate (tons):	270,507	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:		Design Capacity (tons):	2,952,556	
City:	Sunbury	Acres Currently Landfilled (acres):	63	
County:	Butler	Average Depth (feet):		
State:	PA	1993 Waste-in-Place (tons):	1,313,605	
Year Open:	1991	1998 Waste-in-Place (tons):	2,666,140	
Year Closed:	2002			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		1.10		
LFG Collection System Status:		Operational		
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:		Unknown		
Utilization System Type:		Unknown		
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	3		34	
Current Capacity:				
Planned Capacity:				
Utilities in County: Central Electric Coop Inc; Duquesne Light Company; Pennsylvania Power Company; West Penn Pow				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	6,359		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	133,545		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	26,835	170	19,150	174
Fuel Oil:	22,025	142	15,718	92
Natural Gas:	14,810	0	10,569	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Frank Pennington, Operations Manager	Frank Pennington, Operations Manager		
Mailing Address:	1436 West Sunbury Road	1436 West Sunbury Road		
Phone Number:	412-637-3552	412-637-3552		
Fax Number:				

* *Italicized indicates values estimated by EPA.*



Pine Grove LF			Landfill Category: Candidate
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Delmarva Capital	Annual Acceptance Rate (tons):	200,049
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	1,876,875
City:	Pine Grove	Acres Currently Landfilled (acres):	65
County:	Schuylkill	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	1,098,155
Year Open:		1998 Waste-in-Place (tons):	2,098,400
Year Closed:	1998		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.23	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	1		7
Current Capacity:			
Planned Capacity:			
Utilities in County: Pennsylvania Power & Light Co; Schuylkill Haven Borough Utilities			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		Current
Methane Reduction (tons/yr):	1,313		0
CO2 Equivalent of CH4 Reduction (tons/yr):	27,563		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>
<i>Coal:</i>	5,525	35	3,953
<i>Fuel Oil:</i>	4,535	29	3,244
<i>Natural Gas:</i>	3,049	0	2,181
			0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:		717-345-2777	
Fax Number:			

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Pioneer Crossing LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	F.R. & S. Incorporated	Annual Acceptance Rate (tons):	133,554
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	F.R. & S. Incorporated	Design Capacity (tons):	
City:	Birdsboro	Acres Currently Landfilled (acres):	25
County:	Berks	Average Depth (feet):	
State:	PA	1994 Waste-in-Place (tons):	1,867,108
Year Open:	1975	1998 Waste-in-Place (tons):	2,401,324
Year Closed:	2001		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.03		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	0.2		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1988		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Metropolitan Edison Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		32
Current Capacity:	0.3		4
Planned Capacity:			
Utilities in County:	Kutztown Muni Lt & Power; Metropolitan Edison Company; Pennsylvania Electric Company; Pennsy		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,968		771
CO2 Equivalent of CH4 Reduction (tons/yr):	125,322		16,189
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	25,257	160	17,971 164
Fuel Oil:	20,730	133	14,750 86
Natural Gas:	13,939	0	9,918 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:	P.O. Box 202	727 Red Lane Road	
Phone Number:		610-582-2900	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Pottstown LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	WMI	Annual Acceptance Rate (tons):	760,236
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Stowe Power Production Plant	Design Capacity (tons):	4,502,268
City:	Pottstown	Acres Currently Landfilled (acres):	50
County:	Montgomery	Average Depth (feet):	85
State:	PA	1993 Waste-in-Place (tons):	6,303,270
Year Open:	1973	1998 Waste-in-Place (tons):	10,104,450
Year Closed:	2001		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	3.00		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	2.2		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Gas Turbine		
Utilization System Start Year:	1989		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	PECO Energy Company; Pennsylvania Powe		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	9		94
Current Capacity:	6.6		46
Planned Capacity:			
Utilities in County:	Central Electric Coop Inc; Duquesne Light Company; Lansdale Electric Dept; Metropolitan Edison C		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	17,359		8,480
CO2 Equivalent of CH4 Reduction (tons/yr):	364,539		178,074
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	74,192	469	52,274 476
Fuel Oil:	60,893	392	42,904 250
Natural Gas:	40,946	0	28,850 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:			215-327-2703
Fax Number:			

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RCC LF			Landfill Category:	Candidate
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Resource Conservation, Inc.	Annual Acceptance Rate (tons):	439,836	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:	Shade Township Waste Management Facilit	Design Capacity (tons):	4,333,333	
City:	Cairnbrook	Acres Currently Landfilled (acres):	50	
County:	Somerset	Average Depth (feet):		
State:	PA	1993 Waste-in-Place (tons):	1,860,202	
Year Open:	1992	1998 Waste-in-Place (tons):	4,059,382	
Year Closed:	2012			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		1.46		
LFG Collection System Status:		Operational		
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:		Unknown		
Utilization System Type:		Unknown		
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	5		46	
Current Capacity:				
Planned Capacity:				
Utilities in County: Bedford Rural Elec Coop Inc; Berlin Muni Light System; Hooversville Elec Dept; PECO Energy Com				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	8,420		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	176,812		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	36,307	230	25,355	231
Fuel Oil:	29,799	192	20,810	121
Natural Gas:	20,037	0	13,993	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Brian W. Gracey, Vice President	Brian W. Gracey, Vice President		
Mailing Address:		R.D. #1 Box 305		
Phone Number:		814-754-4587		
Fax Number:				

* *Italicized indicates values estimated by EPA.*



A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Sexton	Annual Acceptance Rate (tons):	
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Beach Lake	Acres Currently Landfilled (acres):	
County:		Average Depth (feet):	
State:	PA	1998 Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:			

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):

LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG: No

C. LANDFILL GAS UTILIZATION

Current Utilization:

Utilization System Status: Planned

Utilization System Type: Reciprocating Engine

Utilization System Start Year:

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s): Panalec

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:

Current Capacity:

Planned Capacity:

Utilities in County:

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>	<i>Current</i>
<i>Methane Reduction (tons/yr):</i> <i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i> <i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>Direct Use Project</i> <i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		

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South Park Landfill		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	USA Waste	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	South Park	Acres Currently Landfilled (acres):	
County:		Average Depth (feet):	
State:	PA	1998 Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:			
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):			
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG: No			
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	High Btu		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Equitable Resources/Hercules Chem.		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:			
Current Capacity:			
Planned Capacity:			
Utilities in County:			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):			
CO2 Equivalent of CH4 Reduction (tons/yr):			
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:			
Fuel Oil:			
Natural Gas:			
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:			
Fax Number:			

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Southern Alleghenies LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:		Annual Acceptance Rate (tons):	441,059	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:	Southern Alleghenies Disposal Service, Inc.	Design Capacity (tons):	3,508,668	
City:	Davidsville	Acres Currently Landfilled (acres):	59	
County:	Somerset	Average Depth (feet):		
State:	PA	1993 Waste-in-Place (tons):	2,644,903	
Year Open:		1998 Waste-in-Place (tons):	4,850,198	
Year Closed:	1999			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):	0.80			
LFG Collection System Status:	Operational			
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:	No			
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Planned			
Utilization System Type:	Leachate Evaporation			
Utilization System Start Year:	2000			
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	3		25	
Current Capacity:				
Planned Capacity:				
Utilities in County:	Bedford Rural Elec Coop Inc; Berlin Muni Light System; Hooversville Elec Dept; PECO Energy Com			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,612		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	96,858		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	19,732	125	13,889	126
Fuel Oil:	16,195	104	11,400	66
Natural Gas:	10,890	0	7,665	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Terry Stein			
Mailing Address:	843 Miller Picking Road			
Phone Number:	814-479-2537	814-479-2537		
Fax Number:				

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Tullytown LF		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	WMI	Annual Acceptance Rate (tons):	1,184,860
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Tullytown Resource Recovery Facility	Design Capacity (tons):	9,648,000
City:	Tullytown	Acres Currently Landfilled (acres):	248
County:	Bucks	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	11,485,092
Year Open:	1988	1998 Waste-in-Place (tons):	13,854,812
Year Closed:	1995		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		3.96	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Steam Turbine		
Utilization System Start Year:	1997		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	PECO		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	12		124
Current Capacity:	11.0		
Planned Capacity:			
Utilities in County: PECO Energy Company; Pennsylvania Power & Light Co; Perkasie Borough Electric; Philadelphia E			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	22,905		0
CO2 Equivalent of CH4 Reduction (tons/yr):	481,005		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	97,870	619	68,975 628
Fuel Oil:	80,327	517	56,612 330
Natural Gas:	54,013	0	38,067 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:			215-943-8114
Fax Number:			

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Valley LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Mid-American Waste	Annual Acceptance Rate (tons):	374,580
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	22,450,000
City:	Murrysville	Acres Currently Landfilled (acres):	89
County:	Westmoreland	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	1,635,740
Year Open:	1990	1998 Waste-in-Place (tons):	3,508,640
Year Closed:	2010		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.32	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	High Btu		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	University of Pittsburgh, Duq. Light, Nextec		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		41
Current Capacity:			
Planned Capacity:			
Utilities in County: Duquesne Light Company; PECO Energy Company; Pennsylvania Electric Company; Pennsylvania P			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	7,605		0
CO2 Equivalent of CH4 Reduction (tons/yr):	159,709		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	32,360	205	22,902 208
Fuel Oil:	26,560	171	18,797 110
Natural Gas:	17,859	0	12,639 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Dennis W. Marcehetti, Vice President		
Mailing Address:	3237 Gulf Tower 707 Grant Street		
Phone Number:		412-744-7446	
Fax Number:			

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Western Berks Refuse Authority LF			Landfill Category:	Candidate
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Western Berks Refuse Authority	Annual Acceptance Rate (tons):	37,742	
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:		Design Capacity (tons):	360,000	
City:	Birdsboro	Acres Currently Landfilled (acres):	53.5	
County:	Berks	Average Depth (feet):		
State:	PA	Waste-in-Place (tons):	943,550	
Year Open:	1972	1998 Waste-in-Place (tons):	1,019,034	
Year Closed:	1999			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		0.68		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	2		21	
Current Capacity:				
Planned Capacity:				
Utilities in County: Kutztown Muni Lt & Power; Metropolitan Edison Company; Pennsylvania Electric Company; Pennsy				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	3,924		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	82,396		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	16,575	105	11,815	108
Fuel Oil:	13,604	88	9,698	57
Natural Gas:	9,147	0	6,521	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:				
Mailing Address:	455 Poplar Neck Road		455 Poplar Neck Road	
Phone Number:	610-375-1516		610-375-1516	
Fax Number:				

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Westmoreland County Landfill		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Westmoreland County	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Greensburg	Acres Currently Landfilled (acres):	
County:		Average Depth (feet):	
State:	PA	1998 Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:			
B. LANDFILL GAS COLLECTION			
<i>Estimated Methane Generation (mmscf/d):</i>			
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG: No			
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Dyna-Nobel		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>			
Current Capacity:			
Planned Capacity:			
Utilities in County:			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
<i>Methane Reduction (tons/yr):</i>			
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>			
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i> <i>SO2 (tons/yr)</i>
<i>Coal:</i>			
<i>Fuel Oil:</i>			
<i>Natural Gas:</i>			
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:		412-834-6500	
Fax Number:			

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Y&S SLF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	WMI	Annual Acceptance Rate (tons):	230,671	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:		Design Capacity (tons):	5,908,219	
City:	Scottdale	Acres Currently Landfilled (acres):	18	
County:	Westmoreland	Average Depth (feet):		
State:	PA	1993 Waste-in-Place (tons):	1,076,778	
Year Open:	1985	1998 Waste-in-Place (tons):	2,230,133	
Year Closed:	2002			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		0.99		
LFG Collection System Status:		Operational		
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:		Unknown		
Utilization System Type:		Unknown		
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	3		31	
Current Capacity:				
Planned Capacity:				
Utilities in County:		Duquesne Light Company; PECO Energy Company; Pennsylvania Electric Company; Pennsylvania P		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	5,715		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	120,005		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	24,468	155	17,209	157
Fuel Oil:	20,082	129	14,124	82
Natural Gas:	13,503	0	9,497	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	John Rellas	John Rellas		
Mailing Address:		RD#1 Landfill Road		
Phone Number:		412-887-9400		
Fax Number:				

* *Italicized indicates values estimated by EPA.*



York County SLF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	York County Solid Waste Authority	Annual Acceptance Rate (tons):	90,689
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	York County Solid Waste and Refuse Author	Design Capacity (tons):	851,315
City:	York	Acres Currently Landfilled (acres):	
County:	York	Average Depth (feet):	
State:	PA	1993 Waste-in-Place (tons):	754,137
Year Open:	1974	1998 Waste-in-Place (tons):	1,197,381
Year Closed:	1997		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.72	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		23
Current Capacity:			
Planned Capacity:			
Utilities in County: Adams Electric Cooperative Inc; Duquesne Light Company; Goldsboro Borough Utility Dept; Lewisb			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,187		0
CO2 Equivalent of CH4 Reduction (tons/yr):	87,933		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	18,153	115	12,610 115
Fuel Oil:	14,899	96	10,349 60
Natural Gas:	10,019	0	6,959 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:		William A. Ehrman, Executive Director	
Mailing Address:			
Phone Number:		717-845-1066	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

